

OK TO ENTER
G. Cantelmo
GREGG CANTELMO
PRIMARY EXAMINER

Amendments to the Claims:

Claims have been found allowable. The following is a listing of the current claim set in this case.

11/19/07

Courtesy Listing of Claims:

Claims 1-86 (Cancelled).

Claim 87 (Previously presented). A method of preparing a fuel cell element, said method comprising:

providing a plurality of fibers and/or a porous electrode material;
depositing a nanoparticle catalyst on said plurality of fibers and/or porous electrode material;

forming nanoparticles on said plurality of fibers and/or porous electrode material using said nanoparticles catalyst;

forming a catalytically active layer comprising a substantially continuous thin film on said nanoparticles thereby forming a fuel cell element comprising a plurality of fibers bearing nanoparticles partially or fully coated with a catalytically active thin film;

wherein said thin film comprises an alloy having the formula:



wherein:

x is greater than 0.06 and less than 1;

y, z, and w are independently greater than zero and less than 1; and

$x + y + z + w = 1$.

Claim 88 (Original). The method of claim 87, wherein said plurality of fibers comprises a plurality of carbon fibers.

Claim 89 (Original). The method of claim 88, wherein said plurality of carbon fibers comprise a porous electrode.

Claim 90 (Original). The method of claim 88 wherein said plurality of fibers comprise a carbon fiber paper.